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Quantum Gravity and String Theory

Derivation of G Using Quantum Gravity

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In quantum gravity as derived in the simple 1-page poster paper vixra.org/abs/1305.0012 (a brief summary of a new quantum gravity theory based entirely on observed hard facts without any speculations such as extra ad hoc dimensions as occur in string theory), G arises from the Casimir shielding of an otherwise isotropic exposure to dark energy. A new derivation, including a more refined analysis of the geometry of quantum gravity than the earlier papers, is provided to yield a checkable prediction (apparently within one percent of observed G), an improvement on the prediction given the earlier paper. The exact accuracy will however depend on value assumed for local density.

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Updated expanded proof of density correction exp(3) factor etc with data comparison for quantum gravity section added at end of paper (now 16 pages): https://ia800508.us.archive.org/12/items/finaltheory/Derivation%20of%20G%20using%20quantum%20gravity%2013%20July%202026%20revision%20including%20data%20comparison.pdf

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a month ago

For an alternative derivation, please see: https://ai.vixra.org/pdf/2606.0018v1.pdf

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